



CDF Operations Report

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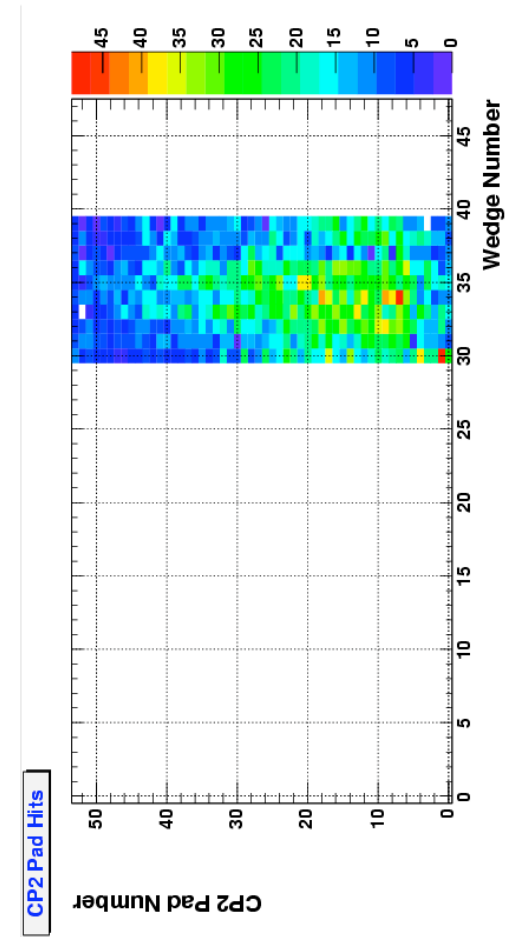
27-September-2004

All Experimenters' Meeting



Shutdown Status

- Shutdown progress
 - CPR/CCR Run 2B upgrade continues
 - Last Friday, SE arch completed and rolled in, and SW arch rolled out; checkout with cosmons on SE arch looks good
 - Took longer than expected—mostly for mechanical issues (rigging, shimming, etc.)
 - Setting aggressive schedule of a central arch every two weeks
 - Electronics installation ahead of schedule
 - E-M Timing Run 2B upgrade installation continues
 - Tested successfully everywhere with LEDs except...
 - SE arch still to do, due to interference with CPR/CCR work
 - Hadron Timing thresholds on all cards in hadron calorimeters being raised for larger S/N
 - Also, only need to finish work on SE arch





Shutdown Status

- Shutdown progress
 - Work continues in west and east bores
 - COT
 - New HV daughterboard Faraday cages all replaced
 - Grounding & shielding work to reduce noise: axial layers are done, working on stereo layers
 - SVX
 - Better insulation on SVX cooling lines done
 - Foam & RTV barrier using inner ring to separate COT volume from SVX volume done
 - » Allows COT & SVX to operate independently without worrying about temperature (dewpoints, etc.) of other device
 - » First tests of SVX cooling very encouraging; more tests after more instrumentation and further (completed) sealing
 - » Eventually, intend to operate SVX at -10°C . instead of -6°C .



Shutdown Status

- Shutdown progress
 - Miscellaneous items
 - Calorimeter power supply relays allowing finer granularity on power cycling (1/2 done)
 - Gas systems work (mostly done)
 - Filtering and spare pump installation
 - Oxygen analyzer repair
 - Ar/CO₂ plumbing
 - SVX/ISL chiller maintenance (done)
 - Cryo wet engine valve work (done)
 - COT SuvaTM (coolant) leak check (to do)
 - Cable tray installation for CPR/CCR HV and XFT fibers (to do)
 - MCS computer upgrade for some systems (in progress)

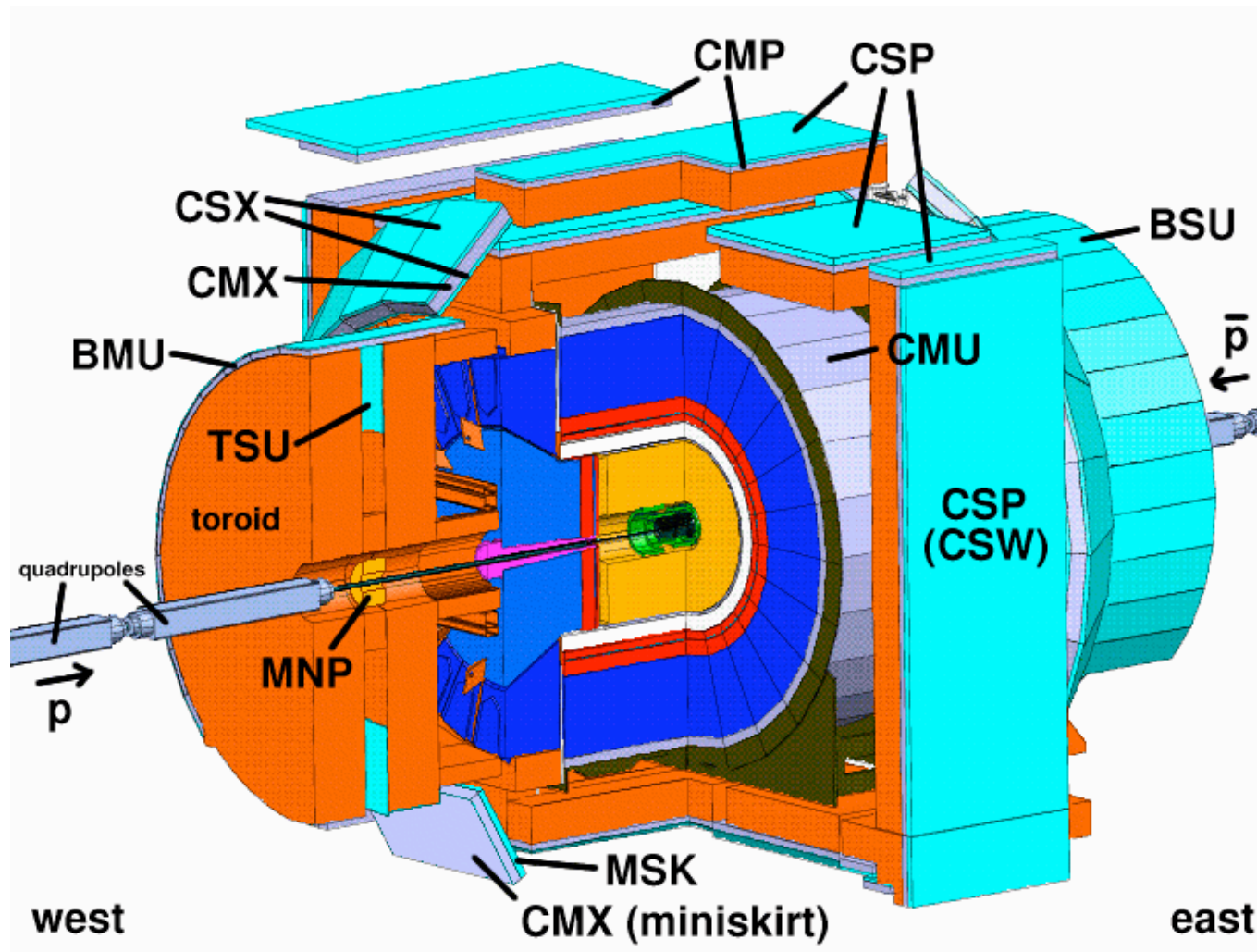


Shutdown Status

- Schedule
 - Recovered from three power outages; last one, last Friday
 - No DAQ today due to online fileserver expansion
 - Complete work in bores October 4 (next Monday)
 - Start flowing Ar/ethane to muon chambers
 - Cable dressing from bores till Oct. 10
 - Checkout with silicon cold and baggies Oct. 11
 - Low β quad supports installation October 18 for one week
 - Close endplugs and central arches when CCR/CPR done
 - Checkout and energize solenoid (Nov. 11)
 - Attempt tests with Ar/CO₂ in COT



CDF Run IIa Detector





CDF Run IIa Detector (inner)

